FILE NOTATIONS								
Entered in NID File Entered On S R Sheet Location Map Pinned Card Indexed I W R for State or Fee Land	Checked by Chief Copy N I D to Field Office Approval Letter Disapproval Letter							
COMPLETION DATA: Date Well Completed /-/2-63 OW	Location Inspected Bond released State of Fee Land							
LOGS FILED Dri ler's Log 3-4-63 Electric Logs (No.) 3								
Lat-GR. D Mi-L Soni	GR GR-N (2) Micro (2) Others Alcandonment							

Gulf ail Corp stook over all operations of the Brilish amer ail frod Ca (1966)

2-5-91

OIL & GAS CONSERVATION COMMISSION OF THE STATE OF UTAH

DESIGNATION OF AGENT

initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations, and Rules of Practice and Procedure of the Oil and Gas Conservation Commission of the State of Utah, hereby appoint. (http://www.its) designated agent to accept and to be served with notices from said Commission, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned producer, operator, transporter, refiner, gasoline or

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective Date of Designation Cotober 1, 1962

The British-American Of Company Froducing Company	<u> </u>	Address_	P. 0	. Bo	K 749,	Pallas	a,	Sexes
By Skolaeneek (Signature)	<u></u>	Title	V1.	66-7	reside			

NOTE: Agent must be a resident of Utah.

Form 9-331 a



Copy H. L. C.

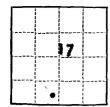


Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Sait Lake City

Lease No. USA-Utah 010876

(SUBMIT IN TRIPLICATE)



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	XX	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		
1	i i	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

TION	ROLE	-	Octobe	r 24, 1962	l gene
Government Lundell					, . , ,
Well No. is located is located	820 ft. from	$-\begin{cases} \mathbf{N} \\ \mathbf{S} \end{cases}$ line an	ad 1960 ft. from $\begin{cases} \mathbf{x} \\ \mathbf{w} \end{cases}$	line of sec.	17
SE NAV SW Section 17	285	23E	S.L.M.		
(1/2 Sec. and Sec. No.) Hatch Canyon Prospect	(Twp.)	(Range)	(Meridian)	h	
(Field)	(County o	r Subdivision)	(State or	Cerritory)	

The elevation of the description bove sea level is 5740 ft. KB Est.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

To drill and test subject well to the Mississippian. Conductor Pipe: 16:00 65# H-40 casing to be set at approximately 60' KB and comented to surface. Surface Casing: 10-3/4" 40.5# J-55 to be set at approximately 2300' KB or into the top of the Cutier. Setting depth is dependent on well conditions encountered, primarily lost circulation or water flows. Use centralizers and scratchers as needed. Cament with 1100 sax 50-50 Pozmix "S" W/2% Gel, 1/8# Flocele and 1# Tuf-Plug/sax, tail in with 150 sax Class A Portland. WOC 18 hours. intermediate Casing: None planned but bit and casing program is designed for setting 7-5/8' 00 casing within or at the bottom of the Paradox Salt section, or, approximately 7500'. Production Casing: 5-1/2" 00 casing to be set through the deepest oil or gas producing zone. Use centralizers and scratchers through potential pay zones. Cament in two stages with DV tool below selt section. ist Stage: 220 sax 50-50 Pozmix "S" W/2% Gel, Letex, plus 1/8# Flocele and 1# Tuf-Plug per sax. 2nd Stage: 1500 sax 50-50 Pozmix "S" salt saturated W/6% Gel. (CONTINUED - ATTACHED PAGE)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company	The British-American Gil	Producing	Company	commenced.
Address	P. 0.50x 189			Burgasi Sijara
	Denver, Colorado		Ву	Thomas H. Hogan /wr
			Title	District Superintendent
				GPO 918507

COMPANY British	American Oil	Producin	ng Company		
Well Name & No. La	indell Governm	ent No.		Lease No	
Location 820 feet	from the Son	th line a	and 1980 fee	t from the We	est line.
Being in SELSWL					
Sec. 17, T28 5, R	23 # ST	Salt Lake	Meridian.	San Juan Cour	ntw. Utah
Ground Elevation 5					
		us G S			
		CANE SPRIN			
		c			
		1	e c.		Marie William
1285 RESS	1989	- <u>©</u>			
13 20		820			Scale
1915 5 A			Recovered		4 inches = 1 mile
Surveyed October This is to certify the		vas prepare	d from field note	as of actual surve	, 19 62
me or under my supe knowledge and bets	ervision and that th	ne same are	true and correc	t to the best of m	y mode by
NO THIND I	O'Alle				
2611	1/4		<u>Cane</u>	mest V. Echohawk	Shaw &
Beal:	13		Re	egistered Land Sur	
THE PENON				tah Reg. No.	2611
Farmington, New Me	rico				

DETAILS OF WORK - CONTINUED GOVERNMENT LUNDELL #1 SE NW SW Section 17-285-23E San Juan County, Utah

Casing program for total depth 8240' is:

Depth interval	Net	-	Gross		_	Description	
0 - 60'	Net 60'		60 1		5-1/2"	17# J-55 ST8	C
60 - 5600'	55401		5583 '		5-1/211	15.5# J-55 S	T&C
5600 - 6950'	13501		13601		5-1/2"	17# J-55 ST8	C
6950 - 82401	12901		1302'		5-1/2"	17# N-80 LT&	C O
Mud: 10.6#/gal.	Collapse:	1125	Tension:	1.6			
Design Margin:	79,320#	-					

Coring: Approx. 150' of selected Mississippian intervals if warranted.

Testing: Prospective test zones are the Paradox Sait and Mississippian if warranted by logs, cores or mud logging unit.

Logging: (Based on gas or air drilling to top of Salt) At total Depth:

- 1. Gamma-Neutron from TD to surface.
- 2. Sonic-Caliper from TD to intermediate casing.
- 3. Laterolog from TD to intermediate casing.
- 4. Dipmeter Survey: if warranted for geologic reasons.
- 5. Velocity Survey: If warranted for geologic reasons.

Drilling Time: Geolograph from surface to TD.

Drift Surveys: At 250' intervals or as per contract.

Standard Depth Measurements: SLM of drill pipe at approx. 150' above Hermosa, Paradox Salt and Mississippian and prior to coring, DST and at TD.

Mud Program: Well is to be drilled to top of Paradox Salt with gas or air. From Paradox Salt to TD, mud will be salt-starch of sufficient quality to achieve good samples, weighted if necessary for well control and with a water loss of approx. 6 cc.

Mud Logging Unit: Top of Salt to TD. If must is used above Hermosa, unit is to be employed from Hermosa to TD.

Samples: Catch 10' samples from surface to TD.

November 2, 1962

British-American Oil Producing Company P. O. Box 180 Denver, Colorado

Attn: Thomas M. Hogan, Dist. Supt.

Gent lemen:

This is to acknowledge receipt of your motice of intention to drill Well Mo. Government Lundell #1, which is to be located 820 feet from the south line and 1980 feet from the west line of Section 17, Township 28 South, Range 23 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this Commission in accordance with Rule A-4, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer

Office: DA 8-5771 or DA 8-5772

Rome: CR 7-2890 Sait Lake City, Utah

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FRIGHT EXECUTIVE DIRECTOR

CBF: ep Encl.

USGS - Durango, Colorado H. L. Coonts, Pet. Eng. OGCC - Mosb. Utah





Farmington, New Mexico

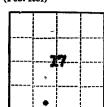


Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Salt Lake City

Lass NoUSA Utah 010876

Unit Govt Inndell



UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

(SUBMIT IN TRIPLICATE)

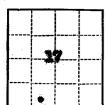
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALI'ER CASING	SUPPLEMENTARY WELL HISTORY	20
NOTICE OF INTENTION TO ABANDON WELL		
(INDICATE ABOVE BY CHECK MARI	K NATURE OF REPORT, NOTICE, OR OTHER DATA)	
Control of the state of the sta	Hevenber 28	194
YIGHT HOLE	(3.1)	
Well No is locatedft. from	$A = \begin{cases} \frac{1}{S} \end{cases}$ line and $\frac{1980}{S}$. ft. from $\begin{cases} \frac{1}{W} \end{cases}$ line of second	c. 17
	, , , , , , , , , , , , , , , , , , ,	
SE NV SV Sac. 17 285 (4 Sec. and Sec. No.) (Twp.)	(Range) (Meridian)	
Hatch Canyon Prospect San (County	or Subdivision) (State or Territory)	
DETA		
	ILS OF WORK	
State names of and expected depths to objective sands; show size	ILS OF WORK res, weights, and lengths of proposed casings; indicate mudding other important proposed work)	jobs, ceme
State names of and expected depths to objective sands; show size ing points, and all depths to objective sands; show size ing points, and all depths to objective sands; show size ing points, and all depths to objective sands; show size in the same sands are said to object the sands; show size in the same same sands; show size in the same same same same sands; show size in the same same same same same same same sam	res, weights, and lengths of proposed casings; indicate mudding other important proposed work) TIGHT HOLE	
State names of and expected depths to objective sands; show size ing points, and all of the sands; show size ing points, and all of the sands; show size ing points, and all of the sands at 4:00 PM 11-27-62. Drilled 58' 18' 1 total 63130 feet, landed at 58' 1	res, weights, and lengths of proposed casings; indicate mudding other important proposed work)	
State names of and expected depths to objective sands; show size ing points, and all of the sands; show size ing points, and all of the sands; show size ing points, and all of the sands at 4:00 PM 11-27-62. Drilled 58' 18' 1 total 63130 feet, landed at 58' 1	of 20" hole. Ren 2 joints 16" 65# Rigged up Dowell, mixed 75 seck	
State names of and expected depths to objective sands; show size ing points, and all of the sands; show size ing points, and all of the sands; show size ing points, and all of the sands at 4:00 PM 11-27-62. Drilled 58' 18' 1 total 63130 feet, landed at 58' 1	of 20" hole. Ren 2 joints 16" 65# Rigged up Dowell, mixed 75 seck	
State names of and expected depths to objective sands; show sing points, and all of HOLE HOLE ed at 4:00 PM 11-27-62. Drilled 58' g, total 63230 feet, landed at 58' lat, 25 GeCl2, pumped to 45'. Good re	of 20" hole. Ren 2 joints 16" 65# Rigged up Dowell, mixed 75 seck	H-40 B-28-6:
State names of and expected depths to objective sands; show sing points, and all of HOLE HOLE ed at 4:00 PM 11-27-62. Drilled 58' g, total 63230 feet, landed at 58' lat, 25 GeCl2, pumped to 45'. Good re	es, weights, and lengths of proposed casings; indicate mudding other important proposed work) TIGHT HOLE of 20* hole. Ram 2 joints 16* 65# B. Rigged up Dowell, mixed 75 sack sturns. Jeb completed at 7:30 AM 11	H-40 B-28-6:
State names of and expected depths to objective sands; show single points, and all of HOLK CHARLES AND PM 11-27-62. Drilled 58' g, total 63230 feet, landed at 58' landed	es, weights, and lengths of proposed casings; indicate mudding other important proposed work) TIGHT HOLE of 20* hole. Ram 2 joints 16* 65# B. Rigged up Dowell, mixed 75 sack sturns. Jeb completed at 7:30 AM 11	 B 28(

GPO 862040

Original Signed By: Nac R. Stone

Nee R. Stone Title Field Superintendent





(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office Sait Lake City Lease No. USA Utek 010876 Unit Govte Landell

NOTICE OF INTENTION TO					WELLS			
NOTICE OF INTENTION TO	DRILL		SUBSEQUENT REF	PORT OF WATER SHIL	IT-OFF			
MOTICE OF INTENTION TO	CHANGE PLANS		SUBSEQUENT REPORT OF WATER SHUT-OFF					
NOTICE OF INTENTION TO	TEST WATER SHUT-OF	F	SUBSEQUENT REF	PORT OF ALTERING	CASING			
NOTICE OF INTENTION TO	RE-DRILL OR REPAIR	WELL	SUBSEQUENT REP	ORT OF RE-DRILLIN	G OR REPAIR			
NOTICE OF INTENTION TO	SHOOT OR ACIDIZE		SUBSEQUENT REP	ORT OF ABANDONM	ENT			
NOTICE OF INTENTION TO	PULL OR ALTER CASIN	IG	SUPPLEMENTARY	WELL HISTORY	: 			
NOTICE OF INTENTION TO	ABANDON WELL							
	(INDICATE ABOVE B)	CHECK MARK NATU	RE OF REPORT, NO	OTICE, OR OTHER DAT	ra)			
Ment Roll		~	1	ecember 10	1962	, 19		
Vell No.	and and the	ft. from {S	$\left. \begin{array}{c} 1 \\ \end{array} \right\}$ line and $\left. \begin{array}{c} 1 \\ \end{array} \right.$	900_ft. from	$\left\{\begin{array}{c} \overline{W} \\ \overline{W} \end{array}\right\}$ line of s	ec. 17		
SW RV SW Bec. No.)		(Rang		(Meridian)				
Batch Canyon	· .	344 48	kaon	(Meridian)	Au.			
(Field)	********	(County or Sub	hande statement	(St	ate or Territory)			
	ing po	ands; show sizes, we lints, and all other i	mportant propose	d work)				
6-10-62 Brilled Rigged v total 20 Dowell, cement. 1/8/ Cel displace Good ret	depths to objective as ing policy of the part of the p	to 2605'. Joints 10- ed at 2604. keephate in eack, 175 as Pumped plug to surface	Came out 3/4" casis 50". Circ 20 berral Posmix, 2 cks regula to 1500%,	and drilled g, 40.5# J- mlated one s water and \$ Col, 1# t r cement. book press 0 berrols s	9" hole to 55 6-A The hour. Rig pumped at aff plug p Rotated pl ure valve	e 2715' . STAC, ged up word of er sack pe whil		
6-10-62 Brilled Rigged v total 2d Dowell, cement. 1/6/ Gel displaci Good ret cement.	13-1/4° hele up and ren 83 107.19°, land mixed 100/ p Nixed 1310 I flake per s ing coment. burns, coment	to 2605'. Joints 10- ed at 2604. keephate in eack, 175 as Pumped plug to surface	Came out 3/4" casis 50". Circ 20 berral Posmix, 2 cks regula to 1500%,	and drilled g, 40.5# J- mlated one s water and \$ Col, 1# t r cement. book press 0 berrols s	9" hole to 55 6-A The hour. Rig pumped at aff plug p Rotated pl ure valve	e 2715' . STAC, ged up word of er sack pe whil		
b-10-62 Brilled Rigged v total 2d Dowell, cement. 1/6/ Gel displace Good ret cement.	13-1/4° hole up and ran 83 507.19°, land mixed 100° p Nixed 1310 I flake per s ing cement. burns, cement Job complet	inds; show sizes, we dints, and all other in the 2605'. I joints 10-led at 2604. Resphete in seeks 50-50 leak, 175 as Pumped plug to surface ed at 9:00	ights, and lengths important propose Came out 3/4" casin 50'. Circ 20 berrel Posmix, 2 cks regula to 1500/, . Lost 15 AN 18-10-6	and drilled 6, 40.5# J- mlated one 5 veter and 5 Col, 1# to comment. beck press 0 berrels s	9" hole to 55 6-R The hour. Rig pumped al aff plug y Retated pi ure valve and while x	e 2715' i. STAC, god up wed of wer sack pe whil hold ok weming		
I understand that this play	13-1/4° hole up and run 83 507.19°, land mixed 1006 p Nixed 1310 I flake per s ing coment. burns, coment Job complet	inds; show sizes, we dints, and all other in the 2605'. I joints 10-led at 2604. Resphete in seeks 50-50 leak, 175 as Pumped plug to surface ed at 9:00	ights, and lengths important propose Came out 3/4" casin 50'. Circ 20 berrel Posmix, 2 cks regula to 1500/, . Lost 15 AN 18-10-6	and drilled c, 40.5% J- minted one s water and 5 Gol, 1% to coment. beck press 0 berrels s 2.	9" hele to 55 6-R The hour. Right pumped als uff plug p Rotated pi ure valve and while x	e 2715' i. STAC, god up wed of wer sack pe whil hold ok weming		
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I understand that this placed company The British address P. O. Dra	13-1/4° hole up and run 83 507.19°, land mixed 1006 p Nixed 1310 I flake per s ing coment. burns, coment Job complet	ints, show sizes, we sints, and all other in to 2605'. Jeints 10-jeints 10-jeints 204. Incaphate 1.8 sacks 50-50 sack, 175 sa Pumped plug to surface ed at 9:00	ights, and lengths mportant propose Geme out 3/4" cagin 50". Gire 20 berrel Posmix, 2 cks regula to 1500%. Lost 15 AN 18-10-6	and drilled 6, 40.5# J- mlated one 5 veter and 5 Col, 1# to comment. beck press 0 berrels s	bour. Ris pumped at all plus p Rotated p Rotat	e 2715 i. STAC, ged up end of er sach pe whil held ok unming		

Title Field Aperintendent



CORE LABORATORIES. INC.

Petroleum Reservoir Engineering
DALLAS, TEXAS

Page No. 1

CORE ANALYSIS RESULTS

Company OIL PRODUCING COMPANY Well #1 GOVT- LUNDELL	Formation	MISSISSIPPIAN	File	RP-3-1717
Field WILDCAT	Core Type	DIAMOND CONV.		1/10/63
County SAN JUAN State UTAH Elev.	Location,	SEC 17 T28S R23E		

				Lith	ologi	cal Abbrevia	tions			
SAND - SD SHALE - S LIME - LM		CO	HYDRITE ANHY NGLOMERATE CONG BBILIFEROUS FOSS	SANDY - SE SHALY - SH LIMY - LMY) Y	FINE FN MEDIUM MED COARSE CSE	CRYSTALLINE XLN GRAIN GRN GRANULAR GRNL	SROWN - BRN GRAY - GY VUGGY - VAY	FRACTURED - PRAC LAMINATION - LAM STYLOLITIC - STY	SLIGHTLY-SL
SAMPLE	DEPTH		ERMEABILITY	POROSITY		UAL SATURATION	The second second second second			WITH-W/
NUMBER	IMBER FEET MAX		SULLIDARCYS ON	PER CENT	OIL	TOTAL			E DESCRIPTION D REMARKS	
1	8385-86	0.1	0.1	12.4	0.7	71.6	DOLOMITE		THE DIP TO A T	DD (Officers
2	8386 -87	0.1	0.1	5.1	3.9	,	DOLOMITE		VERTICAL	
3	8387-88	℃ .1	€0.1	2.5	7.5		DOLOMITE		VERTICAL	
L	8388-89	♥.1	∽ 0.1	2.2	2.6		DOLOMITE		VERTICAL	
5	8389-90	℃.1	<0.1	1.7	3.5		DOLOMITE		VERTICAL	
. 6	8390-91	2.9	0.3	8.8	3.3		DOLOMITE		VERTICAL VERTICAL	
7	8391-92	0.2	0.2	10.9	1.1	94.2	DOLOMITE		VERTICAL	
. 8	8392-93 .	20.3	0。3	10.3	2.8	93.8	DOLOMITE		VERTICAL	
9	8393-94	2.0	0.1	5.8	0.0	93.6	DOLOMITE		VERTICAL	PDACAIIOS ADMOTODO
10	8394-95	v.1	∽0.1	2.5	0.0	86.3	DOLOMITE		VERTICAL	
11	8395-96	€0.1	€0.1	6.5	2.2	94.2	DOLOMITE		VERTICAL	
12	8396-97	€0.1	5 0∘1	3.3	3.3	87.9	DOLOMITE		VERTICAL	
									VOILI LUBE	T. INTO T OTHER
13	8/15-16		0.29*	8.4	1.7	94.9	DOLOMITE		VERTICAL	FRAC PITRE
14	8416-17	v .1	€0.1	2.1	0.0	92.4	DOLOMI PE		VERTICAL	
15	8/17-18	v .1	ூ.1	1.05	2,2	87.1	DOLOMITE		VERT ICAL	
16	8418-19		♥0.01 *	3.6	0.0	97.0	DOLOMI DE		VERT ICAL	
17	8/19-20		0.03*	5.5	1.0	90° 9	DOLOMITE		VERTICAL :	
18	8/20-21	% 1	40.1	. 6. 8	3.1.	90.3	DOLOMITE		VERTICAL :	
19	8421-22	0.2	≪.1	5.6	3. h	95∘0	DOLOMITE		VERTICAL	
20	8422-23		0.01*	1 1.	3.9	88. 6	DOLOMITE		VERTICAL	
21	8423-24	1.4	≪0.1	6.2	2.3	90.8	DOLOMITE		VERTICAL I	
22	8424-25		<0.01*	2.2	0.9	81.0	DOLOMITE		VERTICAL	

^{*} Denetes sample too badly fractured or shattered to obtain a whole core permeability measurement. A matrix plug was cut and a conventional horizontal permeability measurement was taken.

Service No. 8 No interpretation of results.

Well Classification: Wildcat Field or Area: Hatch Canyon

State and County: San Juan Co., Utah

Operator, Well No. and Farm: British-American #1 Lundell Location: 820' NSL, 1980' EWL, Section 17, T285, R23E

WELL DATA

Commenced drilling: 1//27/62 Completed drilling: 1/13/62 Contractor: Pioneer Drlg. Co.

Casing Record: 16" @ 58' KB w/175 sx

10-3/4" @ 2604 KB w/1485 sx

Elevation: 5737 G. L., 5748 D. F., L & S. 5749 KB

TD 8450' in Mississippian (-2701)

COMPLETION DATA

Producing zone: None Perforations: None

Treatment: None

Initial Production: P & A

GECLOGICAL DATA

Net Pay: None

Logging Data

Samples: 60' to 8450' Stored at: B-A Warehouse Sonic 2612-8450

Laterolog 2612-8450
Gamma ray: 25-8450
Neutron: 25-8450
Geolograph: Surface to TD
Dipmeter: 5700 to TD

Formation Record:

Name Entrada 145 (+5604)Navajo 585 (+5164)Chinle 1487 (+4262)Hermosa 3935 (+1814) Ismay 60**70** (-321)Salt 6130 (- 381) Base Salt 8226 (-247**7**) Miss. 8295 (-2546) TD 8450 in Miss. (-2701)



Core Record:

Core No. Interval Formation Ft. Recovered Mississippian 40

gry vy cost pp por dol w/blk aspnaltic res. 87-90

gry dol w/occ styolite

90-97 dk gry blk del w/asphaltic stain and seat pp per

97-8/15 gry tite dol, no show

8415-22 gry nol w/scat por. looks wet

22-25 mry ans dol

Drillstem Test Record:

DST #1 8251-8385 SI 30", open 1 hr, SI 30, IHP 4610, ISIP 3018, IFP 45, FFP 220 FSIP 2075, FHP 4610. Im ediate sli blow, med blo thruoughout test. Rec. 400' .:li GCM

DST #2 8370-8450, op 5 min, SI 30 min, op 1 hr. Good blo immed. Incr. for 40 min., aled 55 min. after tool open. NGTS, FSI 30". Rec. 360' SGC mud, 6120' sultur wtr. IN 4590, SIP 3040, IFP 1355, FFP 3040, FSIP 3040, FHP 4545.

Plugging Information:

8350-8200 1501 plug (Osx 6150-6050 100' plug 40 sx 3950-3350 100' plug 40 sx 26,0-2570 60' plug 25 sx €0-0 60' plug 25 sx

CORE LABORATORIES. INC. Petroleum Reservoir Engineering

Petroleum Reservoir Engineering DALLAS. TEXAS

Page	No	1
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CORE ANALYSIS RESULTS

	TUP DETT	TOH-VI	ERICAN				120213			
	pany OIL PROD	UC ING	COMPANY		Format	tion	MISSISSIPPI	AN	File B	P-3-1717
Wel		- 10011	49111		Core T	vpe	DIAMOND CON	V .		
Field						g Fluid	SALT BASE M		Date Report. 1	
Cour	ity SAN JUAN	S	tate_UTAH	Elev.		Location_			Analysts D	EPPE
BANO .				Lit	hologic	al Abbrevia				
SHALE	-SH CHERT - CH		HYDRITE ANHY .	SANDY .	5 D Y	FINE FN	CRYSTALLINE . XLN	BROWN - BRN	**********	
FIME.	M GYPSUM - GYP	FO	SEILIFEROUS FOSS	LIMY LM		MEDIUM MED COARSE CSE	GRAIN - GRN GRANULAR - GRNL	GRAY GY	LAMINATION - L	AM VERY.V/
SAMPLE NUMBER	DEPTH		ERMEABILITY	POROSITY	RESID	UAL SATURATION			STYLOLITIC . ST	Y WITH.W/
	FRET	Max	SULLIDARCYS 20	PER CENT	OIL	TOTAL	** · ·	SAN	PLE DESCRIPTION AND REMARKS	
• 1	8385-86	0.1	0.1	12.4	0.7	74.6	DOLOMITE			•
2	8386-87	0.1	0.1	5.1	3.9	88.8	DOLOMITE		VERTICA	L FRACTURE
٠, ٠,	8387-88 .	℃ .1	₹0.1	2.5	7.5	73.1	DOLOMITE		VERTICAL	L FRACTURE
Ž	8388-89	♥.1	€0.1	2.2	2.6	79.1	DOLOMITE		VERTICAL	L FRACTURE
5	8389-90	€0.1	<0.1	1.7	3.5	83.4	DOLOMITE		VERTICAL	L FRACTURE
7	8390-91	2.9	0.3	8.8	3.3	92.7	DOLOMITE		VMRT ICAL	FRACTURE
8	8391-92	0.2	0.2	10.9	1.1	94.2	DOLOMITE		VERTICAL	FRACTURE
9	8392-95	:0.3	0.3	10.3	2.8	93.8	DOLOMITE		VERTICAL VERTICAL	FRACTURE
10	8393-94	2.0	0.1	5.8	0.0	93.6	DOLOMITE		APULTOWA TWOTINGS	FRACTURE
11	8394-95	9.1	∽.1	2.5	0.0	86.3	DOLOMITE		VERTICAT	FRACTURE
12	8395-96	, €0.1	₹0. 1	6.5	2.2	94.2	DOLOMITE		VEDTICAL VENTICAL	FRACTURE
14	8396-97	v .1	v.1	<i>3</i> 。 <i>3</i>	3.3	87.9	DOLOMITE		VECTAL AV	FRACTURE FRACTURE
13	8/15-16								ADILI TOWN	FRACTURE
14	8416-17	<i>~</i>	0.29*	8.4	1.7	94.9	DOLOMITE	,	VERTICAL	FRACTURE
15	8/17-18	9 .1	9.1	2.1	0.0	92 . 4	DOLOMITE		VERTICAL	FRACTURE
16	8418-19	v.1	~ .1	4.5	2.2	87.1	DOLOMITE		VERPICAT.	FRACTURE
17	8/19-20		♥0.01*	3.6	0.0	97.0	DOLOMITE		VERT ICAL	FRACTURE
18	8620-21	√ 0.1	0.03*	5.5	1.0	90.9	DOLOMITE		VERTICAL.	FRACTURE
19	8421-22	0.2	♥.1 ·	6.8	3.1	90.3	DOLOMITE		VERTICAL.	FRACTURE
20	8422-23	ے ہن ب 	<0.1 0.01*	5.6	3.h	95.0	DOLOMITE		VERTICAL	FRACTURE
21	8423-24	1.4		h.k.	3.9	88.6	DOLOMITE		VERTICAL	FRACTURE
22	8424-25		♥.1 •0.01*	6.2	2.3	90.8	DOLOMITE		VERTICAL	FRACTURE
			-0.01	2.2	0.9	81.0	DOLOMITE		VERTICAL	FRACTURE
	at m									

^{*} Denetes sample too badly fractured or shattered to obtain a whole core permeability measurement. A matrix plug was cut and a conventional horizontal permeability measurement was taken.

Service No. 8 No interpretation of results.

Well Classification: Wildcat
Field or Area: Hatch Canyon
State and County: San Juan Co., Utah
Operator, Well No. and Farm: British-American #1 Lundell
Location: 820' NSL, 1980' EWL, Section 17, T28S, R23E

WELL DATA

Commenced drilling: 1//27/62 Completed drilling: 1/13/62 Contractor: Pioneer Drlg. Co.

Casing Record: 16" @ 58' KB w/175 ax

10-3/4" @ 2604 KB w/1485 ax

Elevation: 5737 G. L., 5748 D. F., L & S. 5749 KB

TD 8450' in Mississippian (-2701)

COMPLETION DATA

Producing zone: None Perforations: None

Treatment: None

Initial Production: P & A

Net Pay:

None

Stored at: B-A Warehouse

GEOLOGICAL DATA

Logging Data

Samples: 60' to 8450' Sonic 2612-8450

Sonic 2612-8450 Laterolog 2612-8450

Gamma ray: 25-8450

Neutron: 25-8450

Geolograph: Surface to TD

Dipmeter: 5700 to TD

Formation Record:

Name

Entrada 145 (+5604)Navajo (+5164)585 Chinle 1487 (+4262)Hermosa 3935 Ismay 60**70** (-321)Salt 6130 (-381)Base Salt 8226 (-247**7**) Miss. 8295 (-2546)

TD 8450 in Miss. (-2701)

Core Record:

Core No. Interval Formation Ft. Recovered

1 8385-8425 Mississippian 40

9385-87 gry vy cat pp por dol w/blk aspnaltic res.

87-90 gry dol w/occ styolite

90-97 dk gry blk dol w/asphaltic stain and scat pp per

97-8415 gry tite dol, no show

8415-22 gry dol w/scat por. looks wet

22-25 gry dns dol

Drillstem Test Record:

DST #1 8251-3385 SI 30", open 1 hr, SI 30, IHP 4610, ISIP 3018, IFP 45, FFP 220 FSIP 2075, FHP 4610. Im ediate all blow, med blo thruoughout test. Rec. 400' all GCM

DST #2 8370-8450, op 5 min, SI 30 min, op 1 hr. Good blo 1mmed. Incr. for 40 min., died 55 min. after tool open. NGTS, FSI 30". Rec. 360' SGC mud, 6120' sulfur wtr. IPI 4590, SIP 3.40, IFP 1355, FFP 3040, FSIP 3040, FHP 4545.

Plugging Information:

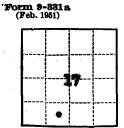
8350-8200 1501 plug f0sx 6150-6050 1001 plug 40 sx 3950-3350 1001 plug 40 sx 2630-2570 601 plug 25 sx 60-0 601 plug 25 sx Supy to NhC on 7-5-63



Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Salt Lake City
Lesse No. USA STAH 010876

Unit Govt. Landell



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(SUBMIT IN TRIPLICATE)

NOTICE OF INTENTION TO DRILL		SUBSEQUENT RE	PORT OF WATER SHUT-OFF		
OTICE OF INTENTION TO CHANGE PLANS	·	SUBSEQUENT RE	ORT OF SHOOTING OR AC	IDIZING	
OTICE OF INTENTION TO TEST WATER SHUT-O	OFF	SUBSEQUENT REI	ORT OF ALTERING CASING	S	_
OTICE OF INTENTION TO RE-DRILL OR REPAIR	R WELL	SUBSEQUENT REF	ORT OF RE-DRILLING OR	REPAIR	
OTICE OF INTENTION TO SHOOT OR ACIDIZE.		SUBSEQUENT REI	ORT OF ABANDONMENT		
OTICE OF INTENTION TO PULL OR ALIER CAS	ing	SUPPLEMENTARY	WELL HISTORY		
OTICE OF INTENTION TO ABANDON WELL					
(INDICATE ABOVE	BY CHECK MARK NATU		OTICE, OR OTHER DATA)		10
ll No is located	ft. from	"	(5.)	line of sec.	. 3
			(···)	mio or 000	
(1/2 Sec. and Sec. No.) (1	(Range	9)	(Meridian)		
te names of and expected depths to objective	DETAILS (oF WORK	of proposed casings; indi	Territory) cate mudding jobs	, cem
e elevation of the derrick floor a	DETAILS (sands; show sizes, weigenints, and all other in	OF WORK	of proposed casings; indi	,	, cem
e elevation of the derrick floor a	DETAILS (sands; show sizes, weigenints, and all other in	oF WORK	of proposed casings; indi	,	;, cem
e elevation of the derrick floor a	DETAILS (sands; show sizes, weigenints, and all other in	OF WORK	of proposed casings; indi	,	., cem
e elevation of the derrick floor all tenames of and expected depths to objective ling; Intend to plug as follows 330 - \$200 - 6150 - 6050 - 3990 - 3650 - 2600 - 2540 - Top of pipe	DETAILS (sands; show sizes, weigoints, and all other in 150 plug 100 plug 60 plug 60 plug	of WORK Ights, and length mportant propose	s of proposed casings; indi	cate mudding jobs	
e elevation of the derrick floor a	DETAILS (pands; show sizes, weigoints, and all other in 150 plug 100 plug 60 plug 60 plug 60 plug 60 plug 60 plug	of WORK ights, and length important propose of WORK ights, and length important propose in the cological state of	of proposed casings; indi d work)	cate mudding jobs	
te names of and expected depths to objective ing	bove sea level is DETAILS (sands; show sizes, wei points, and all other in 150 plus 100 plus 60 plu	OF WORK Ights, and length important propose Section 1988 Section 1988	of proposed casings; indi d work)	ns may be commer	aced.

January 17, 1963

CONFIDENTIAL

MEMO FOR FILING

Re: British American Oil Producing Company Government Lumdell #1 Sec. 17, T. 28 s, R. 23 E., San Juan County, Utah

On January 12, 1963, Mr. Henry Parker of British American requested verbal approval to plug the above mentioned well in the following manner:

8350'-8200' (150' plug) top of Mississippian
6150'-6050' (100' plug) top of Ismay
3950'-3850' (100' plug) top of Hermosa
50' plug in and 50' plug out of 10 3/4" surface casing which is set at 2605'
60' plug will be placed in top of casing

Following are the top encountered while drilling:

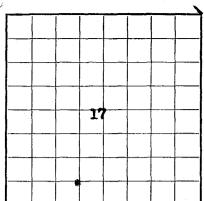
Entrada	145
Navajo	585 ¹
Cutler	2400°
Hermosa	3 9 351
Ismay	6070 ¹
Top of salt	6130°
Base of salt	8226¹
Top of Mississippian	8300°
Total Depth	8450 ¹

Paradox Salt which is from 6130'-8226' will be covered at the top (6050') and bottom (8200'), and therefore, protecting Potash beds present in the salt section from any possible migration of fluids or gases from other formation drilled through. Information pertaining to marker was explained to Mr. Parker and also he was reminded to fill the rat hole before leaving the location.

PAUL W3 BURCHELL CHIEF PETROLEUM ENGINEER

PWB: cnp

Form 9-330



ed. sau No. 42-R355.4.

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER USA ITAH 010876
LEASE OR PERMIT TO PROSPECT

Govt. Lundell

UNITED STATES

DEPARTMENT OF THE INTERIOR

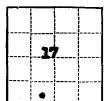
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Compa	anthoPr	itish_Amo	ican Di	1. Prod.	Co. Addres	s P.O.Drewer	330 Farmin	etonsNaMa
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						Cou		
						Line of 17		
so far Date	he inform as can be Febru e	ation given h determined f	erewith is rom all av	a complerailable res	te and correctords.	R. Stone	ell and all wo	ork done thereon
		-	_			l at above date. ned drilling 31 0	2 62	. 10
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No. 2,	from		to		No. 5	, from	to	
No. 3,	from		to		No. 6,	from	to	
			I	MPORTA	NT WATER	SANDS		
No. 1,	from		to		No. 3,	from	to	
No. 2,	from		to		No. 4,	from	to	
				CAS	ING RECOR	RD .		
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From— T	Purpose
16" -3/4"	65# 40•5#	8-R 8-R	J-55	63.30 2607.19	Flared Triplex			Surface Inter-
								acido acidina de la composición del composición de la composición
		:	MUDE	ING AN	D CEMENTI	NG RECORD		
Size casing	Where se	et Numt	er sacks of ce	ment	Method used	Mud gravity	Amoun	t of mud used
.611)=3/411	57.74 2604.50		% Caol 50-50 P	2Pu esmis-Pu	mp & Plug	1		
	\			PLUGS	AND ADAP	TERS		·
						I		

TT.		•	PLUC	GS AND AI	DAPTER	>		
Heaving p	lug-Mate	rial		. Length		Dep	th set	
Adapters-	-Material		; 	_ Size				
			SHO	OOTING R	ECORD			
Size	Shell use	ď	Explosive used	Quantity	Date	Depth shot	Depth clean	ed out
								
Rotary to	ols were us	ed from	0 fee	TOOLS US		and from	feet to	feet
•			fee					
Cable tool	WOLC GOOG	110111		DATES	1000,		1000 00 2	
			, 19	Pu	t-to-prod	ucing	1-12-63	, 19
The p	roduction	for the fir	rst 24 hours was	s b	arrels of	fluid of which	% was o	oil;%
emulsion;	% wa	ter; and	% sediment.			Gravity, °Bé		
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Form 9-331 a (Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office Selt Lake City
Lease No. USA UTAH 010876
Unit Govt. Landell

NOTICE OF INTENTION	N TO DRILL		SUBSEQUENT	REPORT OF WATER	SHUT-OFF	
NOTICE OF INTENTION					ING OR ACIDIZING	
NOTICE OF INTENTION	N TO TEST WATER SH	UT-OFF	SUBSEQUENT	REPORT OF ALTERI	ING CASING	
NOTICE OF INTENTION	N TO RE-DRILL OR RE	EPAIR WELL	SUBSEQUENT	REPORT OF RE-DRI	LLING OR REPAIR	
NOTICE OF INTENTION	N TO SHOOT OR ACID	IZE	SUBSEQUENT	REPORT OF ABAND	ONMENT	
NOTICE OF INTENTION	N TO PULL OR ALCER	CASING	SUPPLEMENTA	RY WELL HISTORY		
NOTICE OF INTENTION	N TO ABANDON WELL					
	(INDICATE ABO	OVE BY CHECK MARK	NATURE OF REPORT	, NOTICE, OR OTHER	R DATA)	
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(½ Sec. and Sec.		(Twp.)	(Range)	(Meridian)		
Hatch Canyo		San Jus		Ti-	t a h	•
- 2-mar actives collecting - ac						
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he elevation of	the derrick floo	r above sea lev DETAI	vel is 5737 (LS OF WOR	K	,	ng jobs, ceme
ate names of and exp ate names of and exp 3 250 - 82 6150 - 60 3 250 - 25 60 - 30 50b comp	the derrick floorested depths to object as follows: 150' -	DETAI tive sands; show size ing points, and all of the sands of the s	vel is	K gths of proposed car posed work)	,	
the elevation of the el	the derrick floorested depths to object as follows: 200 - 150' - 250 - 100' - 250 - 100' - 270 - 60' - 271 acc - 60' 211 be clock 211 be clock 211 ab-Americ	DETAI DETAI citive sands; show size ing points, and all o 60 sack plu 40 sack plu 40 sack plu 25 sack plu 25 sack plu 25 sack plu 25 sack plu 26 sack plu 27 sack plu 28 sack plu 29 sack plu 20 AN 1-12-6; and up after	vel is	K pths of proposed car posed work) The proposed car posed work) The proposed car posed work)	sings; indicate muddi	commenced.
the elevation of the el	the derrick floo ceted depths to object as follows: 30 - 150' - 50 - 100' - 570 - 60' - 171 - 60' cited at 8: X will be clean	DETAI DETAI citive sands; show size ing points, and all o 60 sack plu 40 sack plu 40 sack plu 25 sack plu 25 sack plu 25 sack plu 25 sack plu 26 sack plu 27 sack plu 28 sack plu 29 sack plu 20 AN 1-12-6; and up after	vel is	K pths of proposed car posed work) The proposed car posed work) The proposed car posed work)	sings; indicate muddi	commenced.
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